## PATENT COOPERATION TREATY

## **PCT**

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 78341-A-PCT/JPW/DZ	FOR FURTHER ACTION	as well	see Form PCT/ISA/220 as, where applicable, item 5 below.		
International application No.	International filing date (day/m		(Earliest) Priority Date (day/month/year)		
PCT/US 08/11891	17 October 2008 (17.10.2008)		19 October 2007 (19.10.2007)		
Applicant THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK					
This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.  This international search report consists of a total of sheets.					
It is also accompanied by a	copy of each prior art document	cited in this r	report.		
a translation of the internation of the internation furnished b.  This international search reauthorized by or notified to c.  With regard to any nucleoti  Certain claims were found  Unity of invention is lacking the text is approved as subm	ication in the language in which ternational application into do for the purposes of international eport has been established taking this Authority under Rule 91 (Rule and/or amino acid sequence dunsearchable (see Box No. 11).	it was filed. al search (Rul g into accour ule 43.6 <i>bis</i> (a) e disclosed in	which is the language of les 12.3(a) and 23.1(b)).  In the rectification of an obvious mistake		
<ul> <li>5. With regard to the abstract,  the text is approved as submitted by the applicant.  the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.</li> <li>6. With regard to the drawings,  a. the figure of the drawings to be published with the abstract is Figure No. 38  as suggested by the applicant.  as selected by this Authority, because the applicant failed to suggest a figure.  as selected by this Authority, because this figure better characterizes the invention.</li> </ul>					
	thority, because this figure better bublished with the abstract.	characterizes	s the invention.		

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## INTERNATIONAL SEARCH REPORT

International application No.

		PCT/US	PCT/US 08/11891		
IPC(8) - USPC -	ASSIFICATION OF SUBJECT MATTER C12Q 1/68 (2009.01) 435/6 to International Patent Classification (IPC) or to both a	national classification and IPC			
	DS SEARCHED				
Minimum d USPC-435/6	ocumentation searched (classification system followed by B	classification symbols)			
	ion searched other than minimum documentation to the e 69.1, 91.2, 199, 320.1; 514/44; 536/23.1, 23.2, 25.32; 5		he fields searched		
PubWEST(F	ata base consulted during the international search (name or PGPB,USPT,USOC,EPAB,JPAB); Google Patents; Google, azide, azido, reversible, cleavable, terminato ble	gle Scholar			
C. DOCU	MENTS CONSIDERED TO BE RELEVANT		<u>.</u>		
Category*	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.		
Y	US 2004/0185466 A1 (JU et al.) 23 September 2004 (0032), [0036], [0040], [0065]-[0077], [0087], [0094]-[0 Fig 6		: 1-76		
Y	US 2006/0160081 A1 (MILTON et al.) 20 July 2006 (2 [0033], [0037], [0044], [0080]-[0081]	1-76			
Y	JU et al. Four-color DNA sequencing by synthesis us reversible terminators. PNAS, December 2006, Volumeterials and methods para 4; pg 19636, Fig. 1; pg 19	10, 13-16, 20, 28, 31, 35, 42-45 and 49			
Y	US 2005/0170367 A1 (QUAKE et al.) 04 August 2005	25-76			
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Further documents are listed in the continuation of Box C.  Special categories of cited documents:  "T" later document published after the international filing date or priority					
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the prior	"P" document published prior to the international filing date but later than "&" document member of the same patent family the priority date claimed				
Date of the actual completion of the international search 27 January 2009 (27.01:2009)		10 FEB 2009			
Name and mailing address of the ISA/US Authorized officer:					
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